Under the F	Paperwork Reduction Act of 1995, no persons are required	U.S	. Patent and Trade	mark Office. U.	S. DEPARTM	PTO/SB/05 (08 2006. OMB 0651-0 ENT OF COMMEI OMB control num	0032 RCE
	UTILITY		Docket No.	020354		OWN CONTROL HOLL	
- F	PATENT APPLICATION	First Inv	entor	Caibin	Xiao		
	TRANSMITTAL	Title		A Depos	ition S	ensor Bas 1 Heat Fl	ed ux
· (Only for i	new nonprovisional applications under 37 CFR 1.53(b))	Express	Mail Label No.		093140		inen
See MPEP o	APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ADDR	ESS TO:	Commission P.O. Box 145	tent Application for Patents 0 A 22313-1450		570
Submi Applic. See 3: See 3: Specific (preferr - Descr - Cross - State: - Refer or a c - Back; - Brief i - Detail - Claim - Abstr 4. XX Drawir 5. Oath or Dec a. XX Net b. Cop (for	act of the Disclosure ang(s) (35 U.S.C. 113) [Total Sheets	c. 9. 10. 11. 12. 13. 14. XX 15. 16. 17. 15. 16. 17. 17. 17. 17. 17. 18. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	Specificat i. CD- ii. Pap Statement ACCOMPAN Assignment P 37 CFR 3.73(i) (when there is English Trans Information Di Statement (ID Preliminary Ar Return Receip (Should be sp Certified Copy (if foreign prio Nonpublication (b)(2)(B)(i). Ar or its equivale Other: uisite information	-R in duplica ram (Append mino Acid Seessary) Readable For ion Sequence ROM or CD-ler ts verifying ic YING APP apers (cover b) Statement is an assigned lation Document of Postcard (New Color of Priority Derity is claimed in Request ur pplicant must not.	te, large tabl ix) quence Sub prim (CRF) e Listing on: R (2 copies); lentity of about LICATION sheet & doc XX P A ent (if applic) APEP 503) nized) ocument(s) d) der 35 U.S.6 attach form	e or mission or ove copies N PARTS cument(s)) Power of attorney cable) copies of IDS Citations C. 122 PTO/SB/35	17548 U.S. P
	llowing the title, or in an Application Data Sheet und	der 37 CFR 1.70 ntinuation-in-part		or application N	lo.:		
5b, is considered	information: Examiner TION OF DIVISIONAL APPS only; The entire disclosure d a part of the disclosure of the accompanying continuon can only be relied upon when a portion has been incompanying.	of the prior appl uation or divisior advertently omitt	Art Unication, from which all application and and from the subm	it: h an oath or c	leclaration is	supplied under E	Зох
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FEE TRANSMITTAL			Complete if Known						
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for FY 2004		Filing	Filing Date						
Effective 10/01/2003. Patent fees are subject to annual revision	. [First Named Inventor		tor Caib	in Xiao				
		Exam	iner Na	ame					
Applicant claims small entity status. See 37 CFR 1.27	— [Art Unit ;							
TOTAL AMOUNT OF PAYMENT (\$) 986.00		Attorney Docket No. 020354 075P2							
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)								
Check Credit card Money Other None	3. ADDITIONAL FEES								
Deposit Account:	Large Entity Small Entity								
Deposit Account 50-2431	Fee Code		Fee Code	Fee (\$)	Fee	Description	Fee Paid		
Number	1051	130	2051	65	Surcharge - lat	urcharge - late filing fee or oath			
Deposit Account VANDERBURG	1052	50	2052		Surcharge - lat cover sheet	charge - late provisional filing fee or			
Name The Director is authorized to: (check all that apply)	1053	130	1053			-English specification			
Charge fee(s) indicated below Credit any overpayments		2,520	1812			uest for ex parte reexamination			
KX Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804		Requesting pul Examiner action	blication of SIR prior to			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*		blication of SIR after			
FEE CALCULATION	1251	110	2251	55	Extension for r	reply within first month			
1. BASIC FILING FEE	1252	420	2252	210	Extension for	reply within second month	<u> </u>		
Large Entity Small Entity	1253	950	2253	475	Extension for	reply within third month			
Fee Fee Fee Fee Fee Description Fee Paid Code (\$)	1254	1,480	2254	740	Extension for I	reply within fourth month			
1001 770 2001 385 Utility filing fee 770	1255	2,010	2255	1,005	Extension for	reply within fifth month			
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appe	eal	<u> </u>		
1003 530 2003 265 Plant filing fee	1402	330	2402		-	support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290 1,510	2403 1451		Request for or	-	 		
1005 160 2005 80 Provisional filing fee	1451	·	2452	• • • •		itute a public use proceeding ve - unavoidable	\vdash		
SUBTOTAL (1) (\$) 770.00		1,330	2453			ive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	ı	1,330	2501		Utility issue fee				
Ext <u>ra Claims below</u> Fee Paid	1502	480	2502		Design issue f	•			
Total Claims 32 -20** = 12 x 18 = 216 Independent 2 - 3** = 0 x 86 = 0	1503	640	2503	320	Plant issue fee	е			
Independent 2 - 3** = 0 x 86 = 0 Multiple Dependent 0 = 0	1460	130	1460	130	Petitions to the	e Commissioner			
	1807	50	1807	50	Processing fee	e under 37 CFR 1.17(q)			
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806			Information Disclosure Stmt			
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	property (times	th patent assignment per s number of properties)			
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809		Filing a submis	ssion after final rejection			
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810		•	CFR 1.129(a)) each additional invention to be			
1204 86 2204 43 ** Reissue independent claims over original patent	1801	i	2801		examined (37	amined (37 CFR 1.129(b)) equest for Continued Examination (RCE)			
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SUBMITTED BY (Complete (if applicable))									
Nome (DrintTuna)		Registra		20	7.57	T	22/2		
Signature Prince E. Peacock	G.	Attomey/	Agent)		3,457	Telephone (216)642	-3342		

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CERTIFICATE OF	MAILING BY "EXPRESS I	MAIL" (37 CFR 1.10)		Docket No.				
Applicant(s): Caibin Xiao, David A. Little & Scott M. Boyette 020354 075P2								
Serial No.	Filing Date	Examiner		Group Art Unit				
Invention: A DEPOSITION SENSOR BASED ON DIFFERENTIAL HEAT FLUX MEASUREMENT								
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I hereby certify that thi	s <u>U.S. Utility</u>	Patent Application (Identify type of correspondence)						
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•	ovember 19, 2003 (Date)							
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